

AS-1524

B.C.A. (Part—III) Semester—VI Examination

CLIENT SERVER TECHNOLOGY

Paper—6ST2

Time : Three Hours]

[Maximum Marks : 60

Note :— (1) **ALL** questions are compulsory.

(2) All questions carry equal marks.

(3) Assume suitable data wherever necessary.

1. (a) Explain the concept of client-server model and also write its uses. 6
- (b) What is heterogeneous computing ? Explain. 6

OR

2. (a) Explain the client server computing with microprocessor integration. 6
- (b) Explain the following :
 - (i) Computing Platforms
 - (ii) Distributed Computing. 6
3. (a) What is multitasking ? Explain it in terms of process and threads. 6
- (b) Explain the interaction technique of Client Server Architecture. 6

OR

4. (a) Explain the fundamentals of client-server design. 6
- (b) Write and explain the socket interface for client server applications. 6
5. (a) What is preemptive scheduling ? Explain any one preemptive system in detail. 6
- (b) What is synchronization ? Explain with example. 6

OR

6. (a) What is non-preemptive scheduling ? Explain any one non-preemptive system in detail. 6
(b) How scheduling is implemented ? Explain. 6
7. (a) What is Semaphore ? Explain. 6
(b) Explain the concept of memory management. 6

OR

8. (a) Explain the semaphore implementation in Novell Netware. 6
(b) What is memory allocation ? Explain. 6
9. (a) Explain the client server computing in terms of ORACLE. 6
(b) Explain the following :
(i) SQL Window
(ii) Power Builder. 6

OR

10. (a) Explain the models of DBMS. 6
(b) State and explain the various tools provided by ORACLE. 6